

FIG. 1

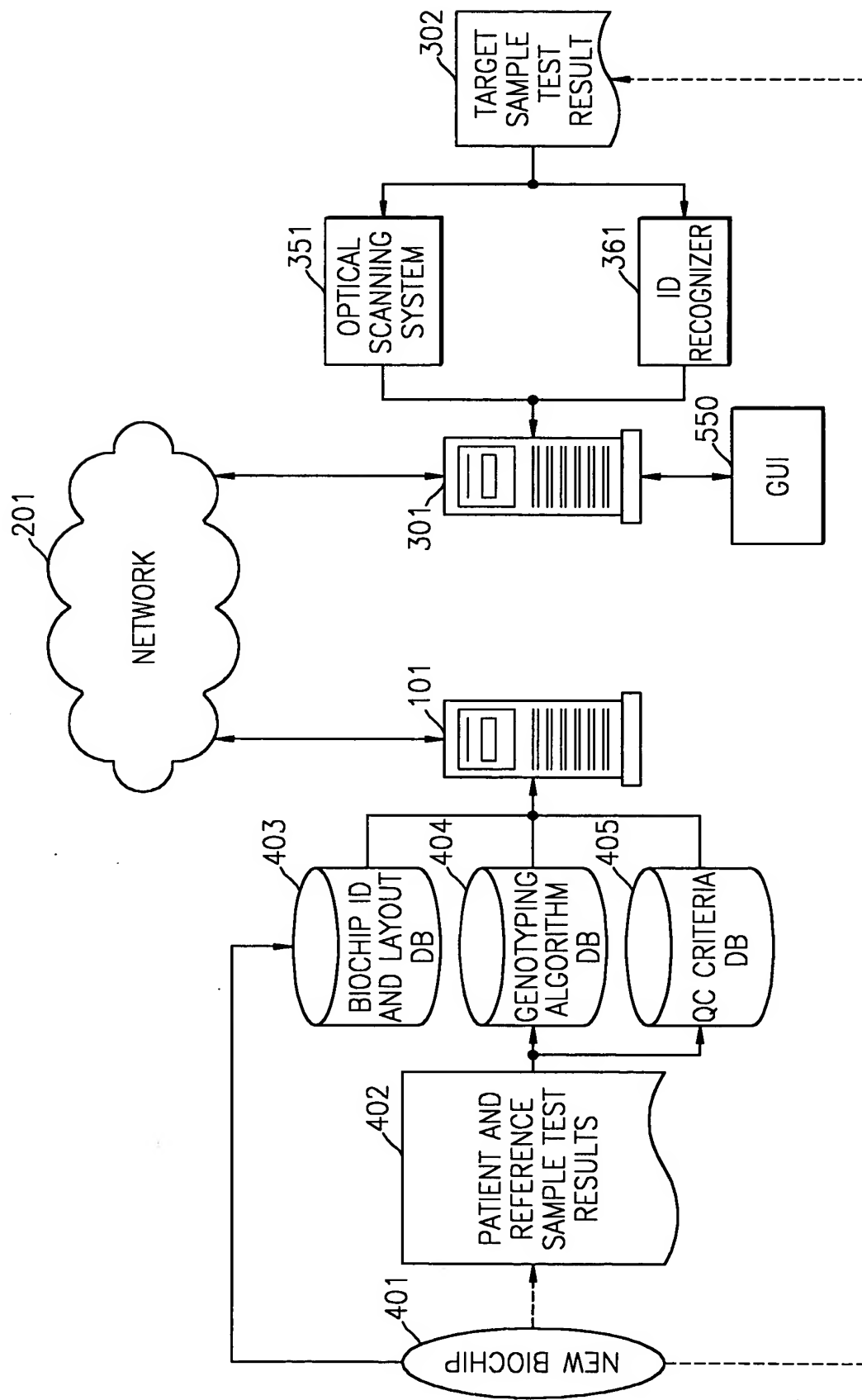
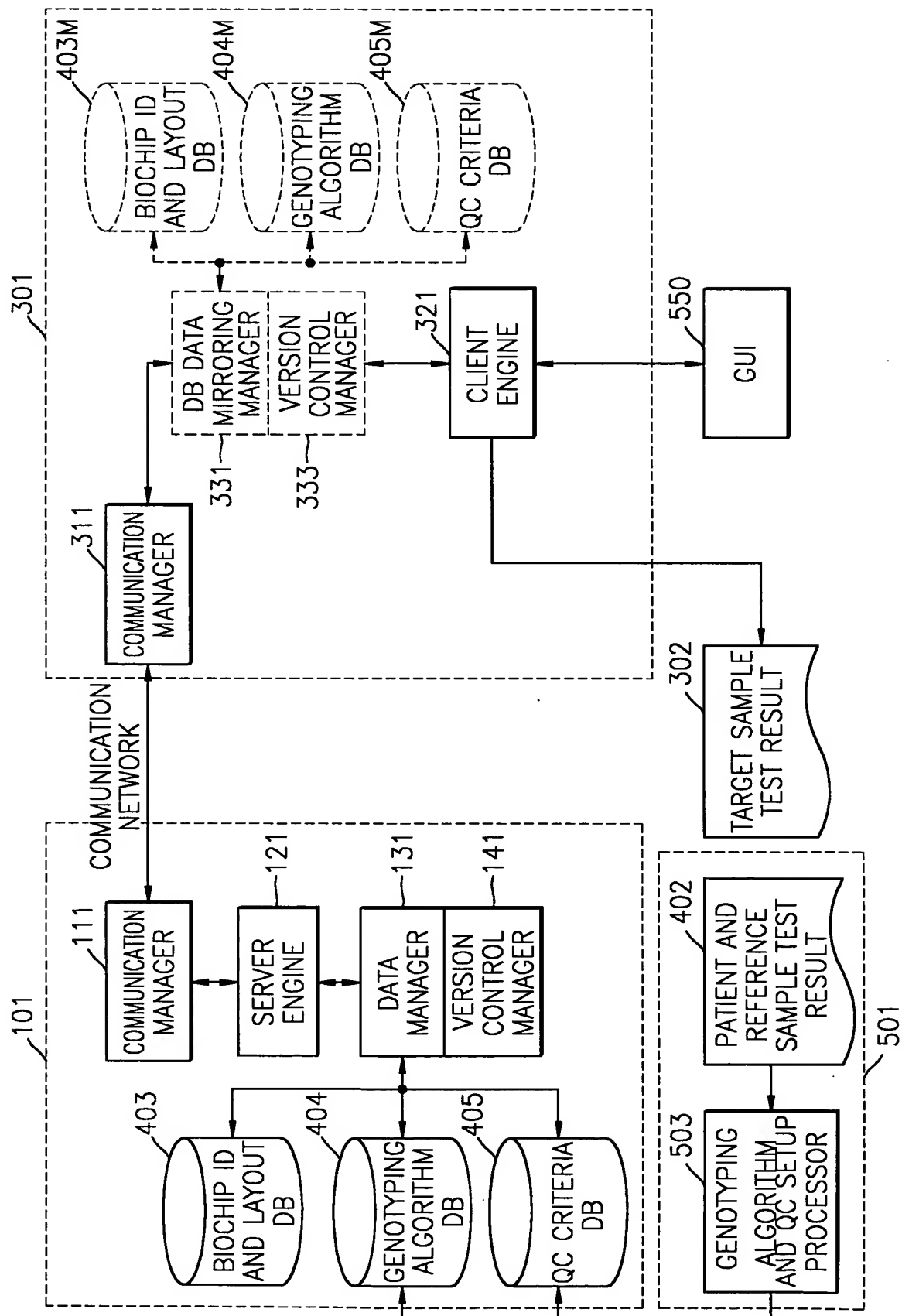


FIG. 2



**FIG. 3**

BIOCHIP ID	SPOT POSITION NO.	ARRAY BLOCK NO.	PROBE COLUMN NO.	PROBE ROW NO.	TYPE OF PROBES	MUTATION SITE
SM30001.1	91	1	7	24	WILD TYPE	23
	92	1	8	24	WILD TYPE	23
	93	1	9	24	WILD TYPE	23
	94	1	10	24	MUTANT	23
	95	1	11	24	MUTANT	23
	96	1	12	24	MUTANT	23
	97	2	1	24	WILD TYPE	24
	98	2	2	25	WILD TYPE	24
	99	2	3	25	WILD TYPE	24
	100	2	4	25	MUTANT	24
	101	2	5	25	MUTANT	24

FIG. 4

m_SITE	COEFFICIENT	t_TYPE 1	wx	wy	t_TYPE 2	wx	wy	X	Y	LAMDA_x	LAMDA_y
1	CONSTANT	WILD	-2.2054	-2.2054	MUTANT	-10.386	-10.386	8.18034	8.18034	0.5	0.5
1	LINEAR	WILD	8.38639	-4.0884	MUTANT	10.5848	-2.3417	-2.1984	-1.7466	0.5	0.5
1	x	WILD	-7.2166	6.92748	MUTANT	-2.6991	1.87114	-4.5175	5.05633	0.5	0.5
1	y	WILD	6.92748	-9.6528	MUTANT	1.87114	-6.126	5.05633	-3.5268	0.5	0.5
2	CONSTANT	WILD	-0.329	-0.329	MUTANT	-1.2346	-1.2346	0.90563	0.90563	0.5	0.5
2	LINEAR	WILD	2.54355	-0.1937	MUTANT	-0.2772	5.9485	2.82075	-6.1422	0.5	0.5
2	x	WILD	-12.053	12.8273	MUTANT	-10.686	14.0068	-1.3662	-1.1795	0.5	0.5
2	y	WILD	12.8273	-14.723	MUTANT	14.0068	-21.039	-1.1795	6.31534	0.5	0.5
3	CONSTANT	WILD	-12.057	-12.057	MUTANT	-3.4063	-3.4063	-8.6505	-8.6505	0.5	0.5
3	LINEAR	WILD	1.40377	7.74246	MUTANT	7.60619	-3.7755	-6.2024	11.5179	0.5	0.5
3	x	WILD	-2.655	2.63033	MUTANT	-7.0406	7.39419	4.38559	-4.7639	0.5	0.5
3	y	WILD	2.63033	-4.2595	MUTANT	7.39419	-9.4748	-4.7639	5.21524	0.5	0.5
4	CONSTANT	WILD	-7.9608	-7.9608	MUTANT	-24.046	-24.046	16.0848	16.0848	1	1
4	LINEAR	WILD	0.89124	-0.0589	MUTANT	4.16561	-1.1073	-3.2744	1.04839	1	1
4	x	WILD	-0.0984	0.06383	MUTANT	-0.2973	0.16797	0.19893	-0.1041	1	1
4	y	WILD	0.06383	-0.0646	MUTANT	0.16797	-0.1475	-0.1041	0.08288	1	1
5	CONSTANT	WILD	-7.3549	-7.3549	MUTANT	-3.5037	-3.5037	-3.8512	-3.8512	0.5	0
5	LINEAR	WILD	17.4567	-15.381	MUTANT	3.58938	10.194	13.8673	-25.575	0.5	0
5	x	WILD	-11.13	13.6255	MUTANT	-2.5341	1.9473	-8.596	11.6782	0.5	0
5	y	WILD	13.6255	-20.451	MUTANT	1.9473	-12.287	11.6782	-8.1645	0.5	0

**FIG. 5**

BIOCHIP ID	MUTATION SITE	EFFECTIVE SPOT DIAMETER CUTOFF VALUE	EFFECTIVE SPOT INTENSITY CUTOFF VALUE
SM30001.1	23	303	25192
	24	352	8925

FIG. 6

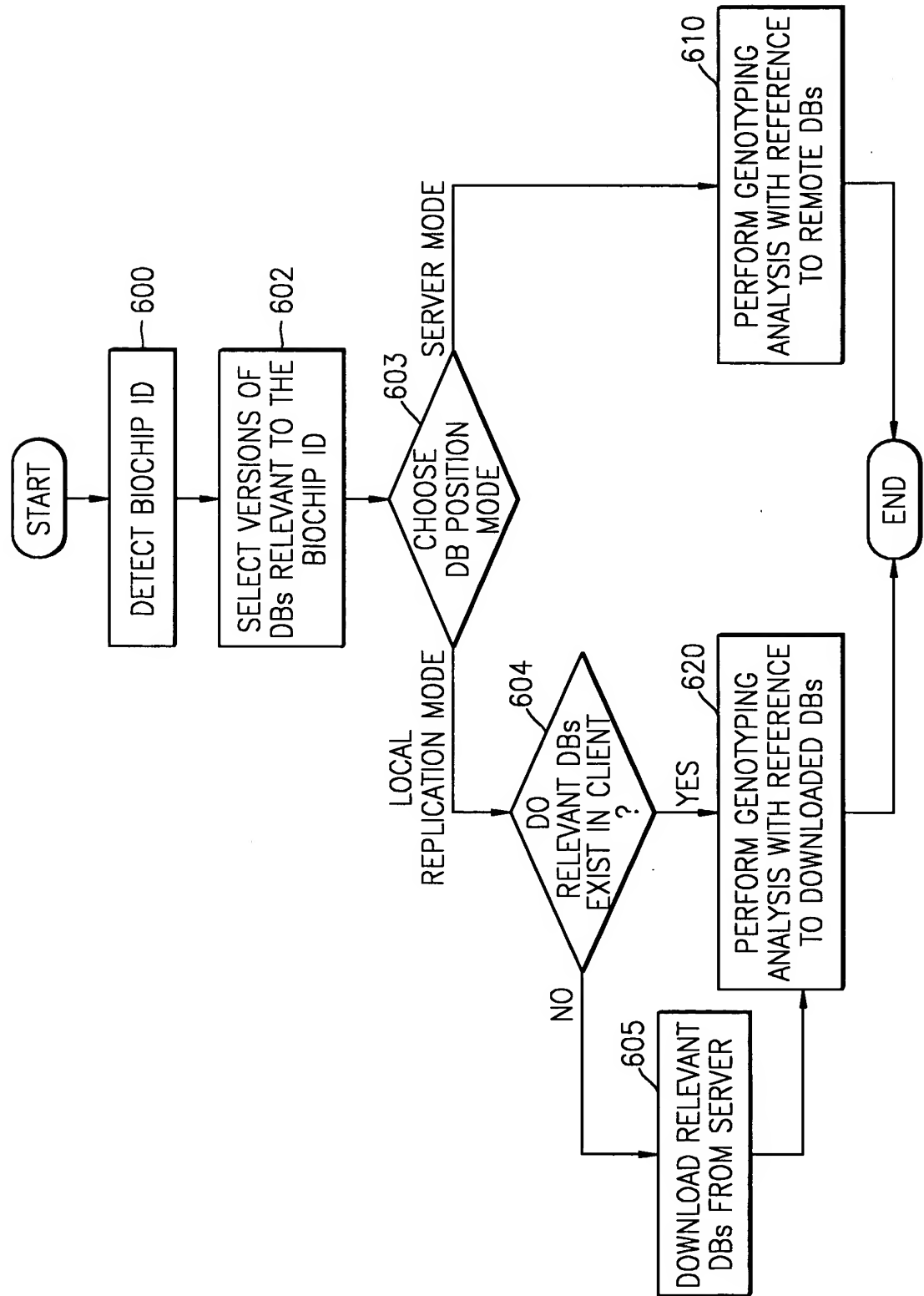


FIG. 7

